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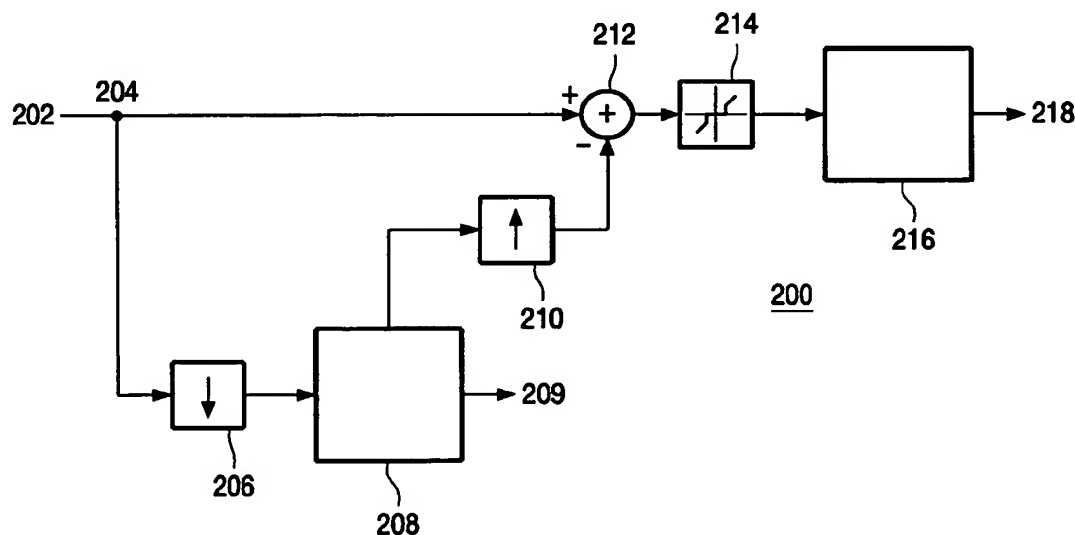
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(54) Title: SPATIAL SCALABLE COMPRESSION SCHEME WITH A DEAD ZONE



(57) Abstract: An apparatus is disclosed for performing spatial scalable compression of video information captured in a plurality of frames including an encoder for encoding and outputting the captured video frames into a compressed data stream, comprising a base layer comprising an encoded bitstream having a relatively low resolution, a high resolution enhancement layer comprising a residual signal having a relatively high resolution, and wherein a dead zone operation unit attenuates the residual signal, the residual signal being the difference between the original frames and the upscaled frames from the base layer. As a result, the number of bits needed for the compressed data stream is reduced for a given observed video quality.



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